	Application No.	Applicant(s)	
Notice of Allowability	10/648,497	IDICULA ET AL.	
	Examiner	Art Unit	
	Dangelino N. Gortayo	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *1/16/2008*.

2. ☒ The allowed claim(s) is/are *27-30 (renumbered 1-4)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *1/28/08* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

TIM VO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Mr. Christian A. Nicholes (Reg. No: 50,266) on January 28, 2008.

The application has been amended as follows:

AMENDMENTS TO THE CLAIMS

In claim 28, line 1, **DELETE** ~~computer-readable~~ **INSERT** computer-readable

storage

In claim 30, line 12, **DELETE** ~~computer-readable~~ **INSERT** computer-readable

storage

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The prior art of record, Lee (US Patent 7,031,956 B1), Fox (US Patent

7,146,399 B2), and Lim (US Publication 2004/0064825 A1), teach analogous art

to the instant application, that of transforming and converting data conforming to

a source schema in a database to data conforming to an evolved, target schema.

Lee more specifically teaches transforming data from one schema to another

involves deriving the transformation of XML documents through an ontology

model. However, after carefully consideration of the Amendments After Final

Rejection filed 1/16/2008 and the previously considered Brief filed 8/7/2007, the

amendments to the claims overcome the prior art of record. As indicated in the

Final Office Action (page 9) filed 11/16/2007 by the Examiner 11/16/2007,

claims 27-30 are allowable over the prior art, particularly the transformation of

Lee involves the mapping of source and target database schemas into a common

ontology model and deriving the transformation between the two, the procedure

of mapping the tables of the source database conforming to a schema to a class in

the ontology model. In the instant application, the process of mapping from

existing XML–schema-dependent documents involves generating a XML-

schema-independent document, interpreted as data in a common ontology model,

that also contains tags and specific data from the existing XML-schema-

dependent documents which is then used to translate the documents conforming

to an evolved XML schema. Thus, in the instant application, the process of

transforming data by utilizing XML-schema-independent documents is different

from the prior art of record and can accommodate a wide variety of evolutions to

XML schemas.

This feature is indicated in independent claims 27 and 29, wherein the procedure to establish and analyze an identity of an existing XML schema involves reading data for different existing XML-schema-dependent instance document, wherein the existing XML-schema-dependent instance documents do not contain tags of the existing XML schema; and based on said data, the procedure generating, for each particular existing XML-schema-dependent instance document of the existing XML-schema-dependent instance documents, a corresponding XML-schema-independent instance document that contains both (a) the tags of the existing XML schema and (b) particular data from said particular existing XML-schema-dependent document, thereby generating XML-schema-independent instance documents that contain data from the existing XML-schema-independent instance documents and conform to the existing XML schema. Consequently, independent claims 27 and 29 and dependent claims 28 and 30 as presented are allowable over prior art.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dangelino N. Gortayo whose telephone number is (571)272-7204. The examiner can normally be reached on M-F 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim T. Vo can be reached on (571)272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dangelino N. Gortayo   Tim T. Vo
Examiner   SPE

TIM VO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100